SUBJECT INDEX

A

Abstracts from 56th Annual Meeting of the Neurosurgical Society of America, 490
Alternative medicine, traditional Chinese medicine for some neurosurgical conditions, 277
Alzheimer's disease, medical treatment for: NSAID may work by lowering levels of a form of amyloid in the brain, 372
Anatomy, correlation of cephalic anthropometric parameters and microsurgical anatomy of optic nerves, 438
Aneurysm
  apolipoprotein E ϵ4 and risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
  dissecting aneurysm of intracranial vertebral artery associated with proximal focal degeneration of elastica, 431
  distal posterior cerebral artery aneurysm, 534
  giant aneurysm of azygos pericallosal artery, 524
  at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
  pterional craniotomy without keyhole to supratentorial cerebral aneurysms, 457
  ruptured aneurysm at choroidal branch of posterior inferior cerebellar artery, 540
  spinal epidural arteriovenous fistula and venous aneurysm, 334
  surgically treated and untreated unruptured cerebral aneurysms of anterior circulation, 516
Aneurysmal bone cyst of temporal bone, 571
Angiography
  aneurysm at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
  distal posterior cerebral artery aneurysm, 534
  giant aneurysm of azygos pericallosal artery, 524
  Henoch-Schönlein syndrome and cerebellar hemorrhage, 339
  isolated posterior inferior cerebellar artery insufficiency, 306
  ruptured aneurysm at choroidal branch of posterior inferior cerebellar artery, 540
Angioplasty, for vertigo from isolated posterior inferior cerebellar artery insufficiency, 306
Antidepressant-stimulated neurogenesis, 476
Apolipoprotein E ϵ4, and risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
Arachnoid cysts
  extensive intradural, of lumbar spinal canal, 57
  intradural spinal, in adults, 49
  prolonged ICP monitoring in Sylvian arachnoid cysts, 211
  roller coaster headaches, 398
Arteriovenous fistula, spinal epidural, and venous aneurysm, 334
Astrocytoma, conditional probabilities of survival in patients with anaplastic astrocytoma or glioblastoma multiforme, 402
Atherosclerosis
  dissecting aneurysm of intracranial vertebral artery associated with proximal focal degeneration of elastica, 431
  pneumococcal vaccine against, 278
Azygos pericallosal artery, giant aneurysm of, 524[1]

B

Barbiturate therapy, significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi- or subdural hematoma, 23
Basal ganglia, multiple target aspiration technique for subacute stereotactic aspiration of hematomas within, 8
Basilar artery occlusion, retrospective analysis of neurological outcome after intra-arterial thrombolysis in, 423
Biomarkers, soluble c-kit as tumor marker and molecular target for treatment of CNS germinoma, 321
Biomaterials, frontal sinus repair with free autologous bone grafts and fibrin glue, 155
Biomechanics of cervical disc replacement, 476
Biopsy, stereotactic, of brainstem lesions, 311
Blood pressure, higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
Bone cyst, aneurysmal, of temporal bone, 571
Bone grafts
  bone autografting of calvaria and craniofacial skeleton, 71
  frontal sinus repair with free autologous bone grafts and fibrin glue, 155
BOOK REVIEWS
  Intensive Care in Neurosurgery, 91
  Research and Publishing in Neurosurgery, 91
  Surgery of the Cervical Spine, 91
Brachytherapy, recurrent primary fibrosarcoma of brain treated with GliaSite brachytherapy system, 579

br = book review; ed = editorial; en = editor's note; le = letter or reader's comment; com = commentary; cd = case description; rc = resident's corner.

© 2003 by Elsevier Inc. All rights reserved.
360 Park Avenue South, New York, NY 10010–1710

0090-3019/03/$–see front matter
doi:10.1016/S0090-3019(03)00819-X

Brain temperature
and cerebral blood flow imaging in patients with subarachnoid hemorrhage, 549
and systemic temperature in patients with severe subarachnoid hemorrhage, 159
Brain tumors
cerebral phaeohyphomycosis masquerading as parafalcian mass, 354
choroid plexus papilloma and meningioma, 360
conditional probabilities of survival in patients with anaplastic astrocytoma or glioblastoma multiforme, 402
development of intracranial ependymoma at site of pre-existing cavernous malformation, 80
en bloc removal of soft tumors within brain parenchyma using spoon retractors: traction-dissection method, 170
germinoma in brain in association with Klinefelter's syndrome, 553
intrinsic third ventricular craniopharyngiomas, 245
lipomatous medulloblastoma, 566
neonatal craniopharyngioma and inference of tumor inception time, 254
oligodendroglioma and anaplastic oligodendroglioma, 443
PCV chemotherapy for central neurocytoma, 560
potential complications following radiotherapy for meningiomas, 193
radiation-induced gliomas, 60
radiosurgery in management of aggressive meningiomas, 298
recurrent primary fibrosarcoma of brain treated with GliaSite brachytherapy system, 579
stereotactic biopsies of brainstem lesions, 311
stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 506
Brainstem lesions
stereotactic biopsies of, 311
successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 545
Bypass surgery, microsuture-tying forceps with attached scissors for, 463

C

Cavernous malformation
development of intracranial ependymoma at site of, 80
successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 545
Cavernous sinus hemangiomas, diagnosis and surgical treatment, 31
Central neurocytoma, PCV chemotherapy for, 560
Cephalhematoma, giant expanding: does administration of factor XIII reverse symptoms?, 138
Cephalic anthropometric parameters and microsurgical anatomy of optic nerves, 438
Cerebellar hemorrhage and Henoch-Schönlein syndrome, 339
Cerebral blood flow imaging and brain temperature in patients with subarachnoid hemorrhage, 549
Cerebral perfusion pressure, higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
Cerebral phaeohyphomycosis masquerading as parafalcian mass, 354
Cervical spine
biomechanics of cervical disc replacement, 476
posterior cervical fusion failure in three morbidly obese patients following circumferential surgery, 205
risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 124
square cervical laminoplasty incorporating spinous process, 131
Chemotherapy
oligodendroglioma and anaplastic oligodendroglioma, 443
PCV chemotherapy for central neurocytoma, 560
primary malignant lymphoma of trigeminal region treated with rapid infusion of high-dose MTX and radiation, 343
Chiari I malformation, clinical outcomes in patients with, 142
Choroid plexus papilloma and meningioma, 360
Colloid-like cyst located in prepontine region, 260
Complications
extrusion of peritoneal catheter of VP shunt system through a gastrostomy wound, 68
neuroendoscopic third ventriculostomy for failed shunts, 201
potential complications following radiotherapy for meningiomas, 193
radiation-induced gliomas, 60
risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 124
Computed tomography
cerebral phaeohyphomycosis masquerading as parafalcian mass, 354
Henoch-Schönlein syndrome and cerebellar hemorrhage, 339
intraventricular hemorrhage, 15
intrinsic third ventricular craniopharyngiomas, 245
multiple target aspiration technique for subacute stereotactic aspiration of hematomas within basal ganglia, 8
neonatal craniopharyngioma and inference of tumor inception time, 254
optic pathways tuberculoma mimicking glioma, 349
posterior cervical fusion failure in three morbidly obese patients following circumferential surgery, 205
roller coaster headaches, 398
significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi- or subdural hematoma, 23
skull metastases, 219
square cervical laminoplasty incorporating spinous process, 131
stereotactic biopsies of brainstem lesions, 311
Craniopharyngioma
intrinsic third ventricular, 245
neonatal, inference of tumor inception time, 254
Cranioplasty, bone autografting of calvaria and craniofacial skeleton, 71

Craniotomy
frontal sinus repair with free autologous bone grafts and fibrin glue, 155
pterional craniotomy without keyhole to supratentorial cerebral aneurysms, 457
routine use of postoperative ICU care for elective craniotomy: cost-benefit analysis, 483
simple reconstruction of frontal sinus opened during craniotomy using small autogenous bone piece, 326
Cysts
aneurysmal bone cyst of temporal bone, 571
arachnoid
extensive intradural, of lumbar spinal canal, 57
intradural spinal, in adults, 49
prolonged ICP monitoring in Sylvian arachnoid cysts, 211
roller coaster headaches, 398
colloid-like cyst located in prepontine region, 260

D
Decompressive craniectomy, ultra-early, for malignant middle cerebral artery infarction, 227
Dementia
medical treatment for Alzheimer's disease: NSAID may work by lowering levels of a form of amyloid in the brain, 372
surgical treatment of vascular dementia, 372
Dermatome mapping during selective dorsal rhizotomy, 292
Diagnosis
cerebral phaeohyphomycosis masquerading as parafalcian mass, 354
normal pressure hydrocephalus: search for better diagnosis and patient selection, 371
optic pathways tuberculoma mimicking glioma, 349

E
Economic issues
an example of physicians being used as scapegoats for rising healthcare costs, 88-ed
routine use of postoperative ICU care for elective craniotomy: cost-benefit analysis, 483
socialized medicine is the problem, 467
Editorials
An example of physicians being used as scapegoats for rising healthcare costs: a socialistic government in action, 88
Clinical controversy: how do you manage germ cell tumors of CNS?, 5
The death of spine surgery as we know it today, 469
Injury, pseudoinjury, and litigation, 478
The link between genes and behavior: what it means to neurosurgeons, 366
The most important question to ask is "why?", 274
In this issue, 1, 93, 179, 275, 369, 473
Thoughts of a senior neurosurgeon: a message to younger colleagues, 374
Thoughts on education of residents and students, 84
Whatever happened to dreaming?, 176
Words for neurosurgeons from the President of Portugal, 585
Embryonic stem cells, improved ability to direct differentiation of, 3
Endoscopy, neuroendoscopic third ventriculostomy for failed shunts, 201
Ependymoma, intracranial, development at site of pre-existing cavernous malformation, 80
Epidural hematoma, significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi- or subdural hematoma, 23
Epilepsy surgery, still underutilized, 371
Ethical issues, confirmation of research publications reported by neurological surgery residency applicants, 280
Ethmoidal malignant tumors, removal by isolated paralateronasal approach with resection of cribriform plate and dura mater, 407
Evoked potentials, fixation of recording electrodes on nonshaved scalp for intraoperative electrophysiological monitoring, 267
Extracellular matrix and the repair of spinal cord injury, 475

F
Factor XIII, to reverse symptoms of giant expanding cephalhematoma, 138
Fibrin glue, frontal sinus repair with free autologous bone grafts, 155
Fibrinolytic therapy, for intraventricular hemorrhage, 15
Fibrosarcoma, recurrent primary, of brain treated with GliaSite brachytherapy system, 579
Foraminotomy, risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 124
Frontal sinus repair
with free autologous bone grafts and fibrin glue, 155
simple reconstruction of frontal sinus opened during craniotomy using small autogenous bone piece, 326

G
Gastrointestinal tract cancer, stereotactic radiosurgery for brain metastases from, 506
Gastrostomy, extrusion of peritoneal catheter of VP shunt system through a gastrostomy wound, 68
Genetics
apolipoprotein E ϵ4 and risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
link between genes and behavior: what it means to neurosurgeons, 366-ed
Germ cell tumors
clinical controversy: how do you manage germ cell tumors of CNS?, 5-ed
germinoma in brain in association with Klinefelter's syndrome, 553
soluble c-kit as tumor marker and molecular target for treatment of CNS germinoma, 321
Glioblastoma multiforme, conditional probabilities of survival in patients with anaplastic astrocytoma, 402
Gliomas
mimicked by optic pathways tuberculoma, 349

oligodendroglioma and anaplastic oligodendroglioma, 443
radiation-induced, 60

H

Head trauma
higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
minimal debridement or simple wound closure as only surgical treatment in war victims with low-velocity penetrating head injuries, 105
outcome following moderate traumatic brain injury, 285
penetrating head wound: a remarkable case, 120
prognostic factors and treatment of penetrating gunshot wounds to head, 98
roller coaster headaches, 398
safety of magnesium-lidocaine combination for severe head injury, 159
treatment of wartime brain wounds: traditional vs. minimal debridement, 112
Headache, roller coaster, 398
Hemangioma of cavernous sinus, diagnosis and surgical treatment, 31
Hematoma
giant expanding cephalhematoma: does administration of factor XIII reverse symptoms?, 138
multiple target aspiration technique for subacute stereotactic aspiration of hematomas within basal ganglia, 8
significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi- or subdural hematoma, 23
Hemorrhage
cerebellar, Henoch-Schönlein syndrome and, 339
intraventricular, current management, 15
subarachnoid
aneurysm at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
apolipoprotein E ϵ4 and risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
brain and systemic temperature in patients with, 159
brain temperature and cerebral blood flow imaging in patients with, 549
dissecting aneurysm of intracranial vertebral artery associated with proximal focal degeneration of elastica, 431
successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 545
Henoch-Schönlein syndrome and cerebellar hemorrhage, 339
Histology
cavernous sinus hemangiomas, 31
choroid plexus papilloma and meningioma, 360
intracranial ependymoma at site of pre-existing cavernous malformation, 80
primary malignant lymphoma of trigeminal region, 343
recurrent primary fibrosarcoma of brain, 579
Historical vignettes
Manuel Velasco-Suárez, M.D. (1914–2001), 272
mystery of gold foil, 174
reflections, 270
Hydrocephalus
neuroendoscopic third ventriculostomy for failed shunts, 201
normal pressure: search for better diagnosis and patient selection, 371
Hypothermia, significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi- or subdural hematoma, 23

I

Infection
cerebral phaeohyphomycosis masquerading as parafalcian mass, 354
optic pathways tuberculoma mimicking glioma, 349
Instrumentation
microsuture-tying forceps with attached scissors for bypass surgery, 463
removal of lumbar spine hardware may relieve recurrent back and leg pain, 475
Intensive care unit (ICU), cost-benefit analysis of routine use after elective craniotomy, 483
Intervertebral disc
biomechanics of cervical disc replacement, 476
risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 124
Intracranial pressure (ICP)
prolonged ICP monitoring in Sylvian arachnoid cysts, 211
ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 227
Intraventricular hemorrhage, current management, 15
Ischemia
retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 423
ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 227

K

Klinefelter's syndrome, germinoma in brain in association with, 553

L

Laminoplasty, square cervical laminoplasty incorporating spinous process, 131
Leiomyoma, benign metastasizing, causing spinal cord compression, 575
Lipomatous medulloblastoma, 566
Lumbar spine
extensive intradural arachnoid cyst of lumbar spinal canal, 57
hardware removal may relieve recurrent back and leg pain, 475
Lymphoma, of trigeminal region treated with rapid infusion of high-dose MTX and radiation, 343

M
Magnesium-lidocaine combination, safety for severe head injury, 159
Magnetic resonance imaging
aneurysm at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
aneurysmal bone cyst of temporal bone, 571
benign metastasizing leiomyoma causing spinal cord compression, 575
central neurocytoma, 560
cerebral phaeohyphomycosis masquerading as parafalcian mass, 354
choroid plexus papilloma and meningioma, 360
colloid-like cyst located in prepontine region, 260
development of intracranial ependymoma at site of pre-existing cavernous malformation, 80
diagnosis and surgical treatment of cavernous sinus hemangiomas, 31
en bloc removal of soft tumors within brain parenchyma using spoon retractors: traction-dissection method, 170
extensive intradural arachnoid cyst of lumbar spinal canal, 57
giant expanding cephalhematoma: does administration of factor XIII reverse symptoms?, 138
intradural spinal arachnoid cysts in adults, 49
intraoperative three-dimensional visualization of the pyramidal tract in a neuronavigation system reliably predicts true position of principal motor pathways, 381
intrinsic third ventricular craniopharyngiomas, 245
lipomatous medulloblastoma, 566
neonatal craniopharyngioma and inference of tumor inception time, 254
oligodendroglioma and anaplastic oligodendroglioma, 443
optic pathways tuberculoma mimicking glioma, 349
primary malignant lymphoma of trigeminal region treated with rapid infusion of high-dose MTX and radiation, 343
recurrent primary fibrosarcoma of brain, 579
skull metastases, 219
spinal epidural arteriovenous fistula and venous aneurysm, 334
square cervical laminoplasty incorporating spinous process, 131
stereotactic biopsies of brainstem lesions, 311
successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 545
surgical treatment of orbital cavernomas, 234
ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 227
Medical education
confirmation of research publications reported by neurological surgery residency applicants, 280
thoughts on education of residents and students, 84-ed
Medicolegal issues, injury, pseudoinjury, and litigation, 478-ed
Medulloblastoma, lipomatous, 566
Meningioma
choroid plexus papilloma and, 360
potential complications following radiotherapy for, 193
radiosurgery in management of, 298
Metastases
benign metastasizing leiomyoma causing spinal cord compression, 575
skull, 219
spinal metastasis of submandibular gland adenoid cystic carcinoma, 265
stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 506
Methotrexate (MTX), primary malignant lymphoma of trigeminal region treated with rapid infusion of high-dose MTX and radiation, 343
Microsuture-tying forceps with attached scissors for bypass surgery, 463
Middle cerebral artery, ultra-early decompressive craniectomy for malignant infarction of, 227
Monitoring
fixation of recording electrodes on nonshaved scalp for intraoperative electrophysiological monitoring, 267
higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
mapping dermatomes during selective dorsal rhizotomy, 292
prolonged ICP monitoring in Sylvian arachnoid cysts, 211
Multiple target aspiration technique, for subacute stereotactic aspiration of hematomas within basal ganglia, 8
Myelopathy
intradural spinal arachnoid cysts in adults, 49
square cervical laminoplasty incorporating spinous process, 131

N
Neoplasms
benign metastasizing leiomyoma causing spinal cord compression, 575
choroid plexus papilloma and meningioma, 360
clinical controversy: how do you manage germ cell tumors of CNS?, 5-ed
conditional probabilities of survival in patients with anaplastic astrocytoma or glioblastoma multiforme, 402
development of intracranial ependymoma at site of pre-existing cavernous malformation, 80
diagnosis and surgical treatment of cavernous sinus hemangiomas, 31
en bloc removal of soft tumors within brain parenchyma using spoon retractors: traction-dissection method, 170
germinoma in brain in association with Klinefelter's syndrome, 553
giant expanding cephalhematoma: does administration of factor XIII reverse symptoms?, 138
intrinsic third ventricular craniopharyngiomas, 245
lipomatous medulloblastoma, 566
long-term outcome of trigeminal neurinomas with modified classification focusing on petrous erosion, 39

neonatal craniopharyngioma and inference of tumor inception time, 254
oligodendroglioma and anaplastic oligodendroglioma, 443
optic pathways tuberculoma mimicking glioma, 349
PCV chemotherapy for central neurocytoma, 560
potential complications following radiotherapy for meningiomas, 193
primary malignant lymphoma of trigeminal region treated with rapid infusion of high-dose MTX and radiation, 343
radiation-induced gliomas, 60
radiosurgery in management of aggressive meningiomas, 298
recurrent primary fibrosarcoma of brain treated with GliaSite brachytherapy system, 579
aneurysmal bone cyst of temporal bone, 571
removal of ethmoidal malignant tumors by isolated paralateronasal approach with resection of cribriform plate and dura mater, 407
skull metastases, 219
soluble c-kit as tumor marker and molecular target for treatment of CNS germinoma, 321
spinal metastasis of submandibular gland adenoid cystic carcinoma, 265
stereotactic biopsies of brainstem lesions, 311
stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 506
surgical treatment of orbital cavernomas, 234
Neurocytoma, central, PCV chemotherapy for, 560
Neurogenesis, antidepressant-stimulated, 476
Neuronavigation, intraoperative three-dimensional visualization of the pyramidal tract in a neuronavigation system reliably predicts true position of principal motor pathways, 381
Neuroprotection, safety of magnesium-lidocaine combination for severe head injury, 159
Neurosurgery
the death of spine surgery as we know it today, 469-ed
link between genes and behavior: what it means to neurosurgeons, 366-ed
thoughts of a senior neurosurgeon: a message to younger colleagues, 374-ed
thoughts on education of residents and students, 84-ed
words for neurosurgeons from the President of Portugal, 585-ed
Neurosurgical Society of America, 56th Annual Meeting Abstracts, 490
Nonsteroidal anti-inflammatory drugs (NSAIDs), medical treatment for Alzheimer's disease: NSAID may work by lowering levels of a form of amyloid in the brain, 372
Normal pressure hydrocephalus, search for better diagnosis and patient selection, 371

O

Obesity, posterior cervical fusion failure in three morbidly obese patients following circumferential surgery, 205
Oligodendroglioma and anaplastic oligodendroglioma, 443
Optic nerve microsurgical anatomy, correlation of cephalic anthropometric parameters and, 438
Optic pathways tuberculoma mimicking glioma, 349
Orbital cavernomas, surgical treatment, 234
Outcome
apolipoprotein E ϵ4 and risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
clinical outcomes in patients with Chiari I malformation, 142
conditional probabilities of survival in patients with anaplastic astrocytoma or glioblastoma multiforme, 402
following moderate traumatic brain injury, 285
long-term outcome of trigeminal neurinomas with modified classification focusing on petrous erosion, 39
retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 423
risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 124

P

Pain
long-term outcome of trigeminal neurinomas with modified classification focusing on petrous erosion, 39
percutaneous trigeminal ganglion balloon compression for trigeminal neuralgia, 149
removal of lumbar spine hardware may relieve recurrent back and leg pain, 475
Pediatric patients
giant expanding cephalhematoma: does administration of factor XIII reverse symptoms?, 138
Henoch-Schönlein syndrome and cerebellar hemorrhage, 339
neonatal craniopharyngioma and inference of tumor inception time, 254
penetrating head wound: a remarkable case, 120
prolonged ICP monitoring in Sylvian arachnoid cysts, 211
Penetrating head injury
minimal debridement or simple wound closure as only surgical treatment in war victims with low-velocity penetrating head injuries, 105
prognostic factors and treatment of gunshot wounds to head, 98
a remarkable case, 120
treatment of wartime brain wounds: traditional vs. minimal debridement, 112
Percutaneous trigeminal ganglion balloon compression for trigeminal neuralgia, 149
Physicians
an example of physicians being used as scapegoats for rising healthcare costs, 88-ed
confirmation of research publications reported by neurological surgery residency applicants, 280
thoughts of a senior neurosurgeon: a message to younger colleagues, 374-ed
thoughts on education of residents and students, 84-ed
words for neurosurgeons from the President of Portugal, 585-ed

Physics in medicine: pacemakers and cell phones, 277
Pneumococcal vaccine against atherosclerosis, 278
Posterior cerebral artery aneurysm, distal, 534
Posterior inferior cerebellar artery
  aneurysm at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
  balloon angioplasty for vertigo from insufficiency of, 306
  ruptured aneurysm at choroidal branch of, 540
Pregnancy, successful brainstem cavernous malformation resection after repeated hemorrhages during, 545
Pyramidal tact, intraoperative three-dimensional visualization in a neuronavigation system reliably predicts true position of principal motor pathways, 381

R
Radiation therapy
  oligodendroglioma and anaplastic oligodendroglioma, 443
  potential complications following radiotherapy for meningiomas, 193
  primary malignant lymphoma of trigeminal region treated with rapid infusion of high-dose MTX and radiation, 343
  radiation-induced gliomas, 60
  recurrent primary fibrosarcoma of brain treated with GliaSite brachytherapy system, 579
Radiculopathy, square cervical laminoplasty incorporating spinous process, 131
Radiosurgery
  in management of aggressive meningiomas, 298
  radiation-induced gliomas, 60
  stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 506
Reader's comments, 90, 177, 367, 470
Research
  brain and systemic temperature in patients with severe subarachnoid hemorrhage, 159
  confirmation of research publications reported by neurological surgery residency applicants, 280
  safety of magnesium-lidocaine combination for severe head injury, 159
Research news and notes
  antidepressant-stimulated neurogenesis, 476
  biomechanics of cervical disc replacement, 476
  clinical study of direct brain infusion of neurotrophic factor for Parkinson's disease, 95
  easy source of primitive stem cells—Wharton's jelly, 96
  extracellular matrix and the repair of spinal cord injury, 475
  failure of controlled clinical trials of fetal transplantation for Parkinson's disease, 181
  fetal cell transplant with built-in immunosuppression, 181
  highlights from conference of the American Society for Neural Transplantation and Repair, 181
  iliac crest autograft may cause persistent pain at donor site, 96
  improvement in ability to direct differentiation of embryonic stem cells, 3
  intracerebral delivery of GDNF to treat parkinsonism, 182
  lumbar spinal instrumentation, 475
  medical treatment for Alzheimer's disease: NSAID may work by lowering levels of a form of amyloid in the brain, 372
  normal pressure hydrocephalus: search for better diagnosis and patient selection, 371
  physics in medicine: pacemakers and cell phones, 277
  pneumococcal vaccine against atherosclerosis, 278
  robotic surgery, 372
  soluble oligomers of amyloids may be major cause of brain injury in Alzheimer's disease, 95
  stem cell graft survival in intact brain and in stroke, 182
  surgery for epilepsy: still underutilized, 371
  surgical treatment of vascular dementia, 372
  traditional Chinese medicine for some neurosurgical conditions, 277
Residency
  confirmation of research publications reported by neurological surgery residency applicants, 280
  thoughts on education of residents and students, 84-ed
Rhizotomy, mapping dermatomes during selective dorsal rhizotomy, 292
Robotic surgery, 372
Roller coaster headaches, 398

S
Safety of magnesium-lidocaine combination for severe head injury, 159
Selective dorsal rhizotomy, mapping dermatomes during, 292
Shunts
  extrusion of peritoneal catheter of VP shunt system through a gastrostomy wound, 68
  neuroendoscopic third ventriculostomy for failed shunts, 201
Single-photon emission computed tomography, brain temperature and cerebral blood flow imaging in patients with subarachnoid hemorrhage, 549
Skull. *See also* Craniotomy
  bone autografting of calvaria and craniofacial skeleton, 71
  metastatic lesions, 219
Socialized medicine is the problem, 467
Soluble c-kit, as tumor marker and molecular target for treatment of CNS germinoma, 321
Spinal cord
  benign metastasizing leiomyoma causing spinal cord compression, 575
  extensive intradural arachnoid cyst of lumbar spinal canal, 57
  extracellular matrix and the repair of spinal cord injury, 475
  intradural spinal arachnoid cysts in adults, 49
Spinal epidural arteriovenous fistula and venous aneurysm, 334
Spinal metastasis, of submandibular gland adenoid cystic carcinoma, 265
Spinal stenosis, square cervical laminoplasty incorporating spinous process, 131

Spinal surgery
the death of spine surgery as we know it today, 469-ed
posterior cervical fusion failure in three morbidly obese patients following circumferential surgery, 205
removal of lumbar spine hardware may relieve recurrent back and leg pain, 475
Stereotactic procedures
multiple target aspiration technique for subacute stereotactic aspiration of hematomas within basal ganglia, 8
stereotactic biopsies of brainstem lesions, 311
stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 506
Stroke
retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 423
ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 227
Subarachnoid hemorrhage
aneurysm at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
apolipoprotein E ϵ4 and risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
brain and systemic temperature in patients with, 159
brain temperature and cerebral blood flow imaging in patients with, 549
dissecting aneurysm of intracranial vertebral artery associated with proximal focal degeneration of elastica, 431
Subdural hematoma, significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi- or subdural hematoma, 23
Subdural hygroma, roller coaster headaches, 398
Submandibular gland adenoid cystic carcinoma, spinal metastasis of, 265
Surgical technique
bone autografting of calvaria and craniofacial skeleton, 71
en bloc removal of soft tumors within brain parenchyma using spoon retractors: traction-dissection method, 170
fixation of recording electrodes on nonshaved scalp for intraoperative electrophysiological monitoring, 267
frontal sinus repair with free autologous bone grafts and fibrin glue, 155
long-term outcome of trigeminal neurinomas with modified classification focusing on petrous erosion, 39
multiple target aspiration technique for subacute stereotactic aspiration of hematomas within basal ganglia, 8
pterional craniotomy without keyhole to supratentorial cerebral aneurysms, 457
removal of ethmoidal malignant tumors by isolated paralateronasal approach with resection of cribriform plate and dura mater, 407
robotic surgery, 372
simple reconstruction of frontal sinus opened during craniotomy using small autogenous bone piece, 326
square cervical laminoplasty incorporating spinous process, 131
surgical treatment of orbital cavernomas, 234
treatment of wartime brain wounds: traditional vs. minimal debridement, 112
Sylvian fissure, prolonged ICP monitoring in Sylvian arachnoid cysts, 211
Syringomyelia
clinical outcomes in patients with Chiari I malformation, 142
intradural spinal arachnoid cysts in adults, 49

T

Temperature
brain and systemic temperature in patients with severe subarachnoid hemorrhage, 159
brain temperature and cerebral blood flow imaging in patients with subarachnoid hemorrhage, 549
Temporal bone, aneurysmal bone cyst of, 571
Third ventricular craniopharyngiomas, 245
Third ventriculostomy for failed shunts, neuroendoscopic, 201
Thrombolysis, retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 423
Tissue plasminogen activator, for intraventricular hemorrhage, 15
Traditional Chinese medicine for some neurosurgical conditions, 277
Trauma
higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
injury, pseudoinjury, and litigation, 478-ed
minimal debridement or simple wound closure as only surgical treatment in war victims with low-velocity penetrating head injuries, 105
outcome following moderate traumatic brain injury, 285
penetrating head wound: a remarkable case, 120
prognostic factors and treatment of penetrating gunshot wounds to head, 98
roller coaster headaches, 398
safety of magnesium-lidocaine combination for severe head injury, 159
treatment of wartime brain wounds: traditional vs. minimal debridement, 112
Trigeminal neurinomas, long-term outcome, with modified classification focusing on petrous erosion, 39
Trigeminal region
percutaneous trigeminal ganglion balloon compression for trigeminal neuralgia, 149
primary malignant lymphoma treated with rapid infusion of high-dose MTX and radiation, 343
Tuberculoma of optic pathways mimicking glioma, 349

U

Ultrasonography
intradural spinal arachnoid cysts in adults, 49

neonatal craniopharyngioma and inference of tumor inception time, 254
Urokinase, for intraventricular hemorrhage, 15

V
Vascular dementia, surgical treatment, 372
Vasculature
aneurysm at posterior inferior cerebellar artery of extradural origin for preoperative evaluation of safe clipping, 329
dissecting aneurysm of intracranial vertebral artery associated with proximal focal degeneration of elastica, 431
distal posterior cerebral artery aneurysm, 534
giant aneurysm of azygos pericallosal artery, 524
higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
management of intraventricular hemorrhage, 15
pterional craniotomy without keyhole to supratentorial cerebral aneurysms, 457
ruptured aneurysm at choroidal branch of posterior inferior cerebellar artery, 540
spinal epidural arteriovenous fistula and venous aneurysm, 334
successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 545
surgically treated and untreated unruptured cerebral aneurysms of anterior circulation, 516
ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 227
Velasco-Suárez, Manuel, M.D. (1914–2001), 272
Ventriculoperitoneal (VP) shunt, extrusion of peritoneal catheter of VP shunt system through a gastrostomy wound, 68
Ventriculostomy, neuroendoscopic third ventriculostomy for failed shunts, 201
Vertebral artery, dissecting aneurysm of intracranial vertebral artery associated with proximal focal degeneration of elastica, 431
Vertigo from isolated posterior inferior cerebellar artery insufficiency, balloon angioplasty for, 306

W
War wounds
minimal debridement or simple wound closure as only surgical treatment in war victims with low-velocity penetrating head injuries, 105
treatment of wartime brain wounds: traditional vs. minimal debridement, 112

ELSEVIER

Author Index

A

Abbassioun K. *See* Amirjamshidi A
Abekura M. *See* Matsumoto K
Akagi K. *See* Matsumoto K
Akdemir P. *See* Inci S
Akitaya T. *See* Kohno M
Albright AL. *See* Nicholson J
Albright AL. Neuroendoscopic third ventriculostomy for failed shunts, 203-com
Alexander E Jr. Letter to the editor, 89-rc
Alexander E Jr. The mystery of gold foil, 174
Amidi F. *See* Saberi H
Amirjamshidi A, Abbassioun K, Rahmat H. Minimal debridement or simple wound closure as the only surgical treatment in war victims with low-velocity penetrating head injuries: Indications and management protocol based upon more than 8 years follow-up of 99 cases from Iran-Iraq conflict, 105
Andrews BT. Outcome following moderate traumatic brain injury, 291-com
Andrews CO. *See* Engelhard HH
Aoyagi M. *See* Arai T
Arai T, Ohno AK, Takada Y, Aoyagi M, Hirakawa K. Neonatal craniopharyngioma and inference of tumor inception time: Case report and review of the literature, 254
Ardill WC, Gidado S. Penetrating head wound: A remarkable case, 120
Arita K. *See* Yoshioka H
Artico M, Ferrante L, Pastore FS, Ramundo EO, Cantarelli D, Scopelliti D, Iannetti G. Bone autografting of the calvaria and craniofacial skeleton: Historical background, surgical results in a series of 15 patients, and review of the literature, 71
Asamoto S. *See* Jödicke A
Ashby LS. Stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 514-com
Asher A. *See* Fraser RW
Atkinson J. Spinal dural arteriovenous fistula and venous aneurysm: An unusal association, 337-com
Ausman JI. An example of physicians being used as scapegoats for rising healthcare costs: A socialistic government in action, 87-ed
Ausman JI. In this issue, 1-ed, 93-ed, 179-ed, 275-ed, 369-ed, 473-ed
Ausman JI. Routine use of postoperative ICU care for elective craniotomy: A cost-benefit analysis, 489-com
Ausman JI. The death of spine surgery as we know it today, 469-ed
Ausman JI. The link between genes and ehavior: What it means to neurosurgens, 366-ed
Ausman JI. The most imporant question to ask is "WHY?", 274-ed
Ausman JI. Whatever happ[ened to dreaming?, 176-ed
Ausman JI. Words for neurosurgeons from the president of Portugal, 585-ed
Avellino AA. *See* Nemecek AN
Aversa do Souto A, Fonseca ALV, Gadelha M, Donangelo I, Chimelli L, Domingues FS. Optic pathways tuberculoma mimicking glioma: Case report, 349
Axer H. *See* Coenen VA

B

Banerji D. *See* Behari S
Barrow DL. Spinal dural arteriovenous fistula and venous aneurysm: An unusal association, 338-com
Batjer HH. Dissecting aneurysm of the intracranial vertebral artery associated with proximal focal degeneration of the elastica: A comparative pathological study of the vertebral artery in patients with and without aneurysms, 437-com
Batjer HH. Giant aneurysm of the azygos pericallosal artery: Case report and review of the literature, 533-com
Beauregard CL, Friedman WA. Routine use of postoperative ICU care for elective craniotomy: A cost-benefit analysis, 483
Beauvillain de Montreuil C. *See* Faure A
Behari S, Banerji D, Mishra A, Sharma Sunil, Sharma Sidhiraj, Chhabra DK, Jain VK. Intrinsic third ventricular craniopharyngiomas: Report on six cases and a review of the literature, 245
Berger MS. *See* von Koch CS
Birkeland S. Spinal metastasis of submandibular gland adenoid cystic carcinoma: A case report, 265
Blackett WB. Injury, pseudoinjury, and litigation, 480-com
Black K. Removal of ethmoidal malignant tumors by the isolated paralateronasal approach with resection of the cribriform plate and the dura mater, 422-com
Black KL. *See* Ehtesham M
Block W. Socialized medicine is the problem, 467
Böker D-K. *See* Jödicke A
Bonicalzi V. *See* Canavero S

br = book review; ed = editorial; en = editor's note; le = letter or reader's comment; com = commentary; cd = case description; rc = resident's corner.

0090-3019/03/$–see front matter
doi:10.1016/S0090-3019(03)00821-8

© 2003 by Elsevier Inc. All rights reserved.
360 Park Avenue South, New York, NY 10010–1710

Burcuiel KJ. Mapping dermatomes during selective dorsal rhizotomy: Case report and review of the literature, 297-com
Buxton N, Macarthur D, Robertson I, Punt J. Neuroendoscopic third ventriculostomy for failed shunts, 201

C
Cahill DW. *See* Lippman CR
Caldarelli M. *See* Di Rocco C
Canavero S, Bonicalzi V, Narcisi P. Safety of magnesium-lidocaine combination for severe head injury: The Turin Lidomag pilot study, 165
Cantarelli D. *See* Artico M
Carey ME. The treatment of wartime brain wounds: Traditional *versus* minimal debridement, 112
Caroli E. *See* Salvati M
Cetin H. *See* Topsakal C
Chacko G. *See* Joseph V
Chang CZ. *See* Lin CL
Chang SM. *See* von Koch CS
Chan KY. *See* Chan Y
Chan Y, Datta NN, Chan KY, Rehman SU, Poon CFY, Kwok JCK. Extrusion of a VP shunt system through a gastrostomy wound, 68
Charbel FT. *See* Engelhard HH
Chawla J. *See* Vatsal DK
Chen B. *See* Tang J
Chen J-F. *See* Lee S-T
Chen L. *See* Zhou L-F
Chen T-C. *See* Cho D-Y
Chhabra DK. *See* Behari S
Chimelli L. *See* Aversa do Souto A
Cho D-Y, Chen T-C, Lee H-C. Ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 227
Chovanes GI, Richards RM, Morrow RA, Rhodes M. Higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 184
Christiano JC. Mapping dermatomes during selective dorsal rhizotomy: Case report and review of the literature, 297-com
Ciappetta P. *See* Paolini S
Cihangiroglu M. *See* Topsakal C
Ciric I. Intrinsic third ventricular craniopharyngiomas: Report on six cases and a review of the literature, 252-com
Clatterbuck RE. Successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 548-com
Coenen VA, Krings T, Axer H, Weidemann J, Kränzlein H, Hans F-J, Thron A, Gilsbach JM, Rohde V. Intraoperative three-dimensional visualization of the pyramidal tract in a neuronavigation system (PTV) reliably predicts true position of principal motor pathways, 381
Cohen FL. Readers comment, 367-rc
Cohen-Gadol AA. *See* McIver JI
Cohen-Gadol AA, Koch CA, Raffel C, Spinner RJ. Confirmation of research publications reported by neurological surgery residency applicants, 280
Cole H. Significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi-or subdural hematoma, 30-com
Cole H. Simple reconstruction of frontal sinus opened during craniotomy using small autogenous bone piece: Technical note, 328-com
Cole HO. Injury, pseudoinjury, and litigation, 481-com
Colen CB. *See* Dones J

D
Dacey R Jr. Apolipoprotein E ε4 and the risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 397-com
Daentzer D. *See* Jödicke A
Dan N. Percutaneous trigeminal ganglion balloon compression for treatment of trigeminal neuralgia, part II: Results related to compression duration, 153-com
Datta NN. *See* Chan Y
Debrun G. De novo distal posterior cerebral artery aneurysm, 539-com
De Jesús O. *See* Dones J
Delfini R. *See* Salvati M
Delgado M. *See* Dones J
de Oliveira E. Correlation of cephalic anthropometric parameters and microsurgical anatomy of the optic nerves: A cadaveric morphometric study, 442-com
Dickey P. Giant aneurysm of the azygos pericallosal artery: Case report and review of the literature, 533-com
Dickey P. Investigation of the surgically treated and untreated unruptured cerebral aneurysms of the anterior circulation, 522-com
Di Rocco C, Tamburrini G, Caldarelli M, Velardi F, Santini P. Prolonged ICP monitoring in Sylvian arachnoid cysts, 211
Dolenc V. Diagnosis and surgical treatment of cavernous sinus hemangiomas: An experience of 20 cases, 37-com
Dollar JD. *See* Fraser RW
Domenicucci M. *See* Paolini S
Domingues FS. *See* Aversa do Souto A
Donangelo I. *See* Aversa do Souto A
Dones J, De Jesús O, Colen CB, Toledo MM, Delgado M. Clinical outcomes in patients with chiari I malformation: A review of 27 cases, 142
Dott U. *See* Schick U
Driscoll C. *See* McIver JI

E
Ebato M. *See* Maruki C
Edwards M. A case of giant expanding cephalhematoma: Does the administration of blood coagulation factor XIII reverse symptoms?, 141-com
Eguchi T. Ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 232-com
Ehtesham M, Kabos P, Yong WH, Schievink WI, Black KL, Yu JS. Development of an intraceanial ependymoma at the site of a pre-existing cavernous malformation, 79
Eichmann T. *See* Stark AM

El Gindi S. Thoughts of a senior neurosurgeon: A message to younger colleagues, 379-com
Elliott JP. Intensive care in neurosurgery, 90-br
Elshihabi S, Husain M, Linskey M. Lipomatous medulloblastoma: A rare adult tumor variant with a uniquely favorable prognosis, 566
Engelhard HH, Andrews CO, Slavin KV, Charbel FT. Current management of intraventricular hemorrhage, 15
Engelhard HH, Stelea A, Mundt A. Oligodendroglioma and anaplastic oligodendroglioma: Clinical features, treatment, and prognosis, 443
Epstein NE. Benign metastasizing leiomyoma causing spinal cord compression, 578-com
Epstein NE. Posterior cervical fusion failure in three morbidly obese patients following circumferential surgery, 205
Erekul S. *See* Tuna H
Erol FS. *See* Topsakal C
Ezaki Y, Tsutsumi K, Onizuka M, Kawakubo J, Yagi N, Shibayama A, Toba T, Koga H, Miyazaki H. Retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 423

F

Fager C. Intradural spinal arachnoid cysts in adults, 55-com
Fager C. Risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 129-com
Fager C. Square cervical laminoplasty incorporating spinous process: Surgical technique, 135-com
Fager CA. Injury, pseudoinjury, and litigation, 478-ed
Faure A, Ferron C, Khalfallah M, Toquet J, Hamel O, Raoul S, Beauvillain de Montreuil C, Robert R. Removal of ethmoidal malignant tumors by the isolated paralateronasal approach with resection of the cribriform plate and the dura mater, 407
Ferrante L. *See* Artico M
Ferron C. *See* Faure A
Findlay JM. Brain and systemic temperature in patients with severe subarachnoid hemorrhage, 164-com
Fischbein NJ. *See* Quinones-Hinojosa A
Flemming KD, Goodman BP, Meyer FB. Successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 545
Flickinger JC. *See* Harris AE; Hasegawa T
Fonseca ALV. *See* Aversa do Souto A
Fraser RW, Limentani SA, Dollar JD, Asher A. Recurrent primary fibrosarcoma of the brain treated with the gliasite brachytherapy system: Case report, 579
Frati A. *See* Salvati M
French L. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com
French LA. Thoughts on education of residents and students, 83-ed
Friedman W. *See* Nicholson J
Friedman WA. *See* Beauregard CL
Friedman WA. Stereotactic biopsies of focal brainstem lesions, 320-com
Fujii K. *See* Yamada M
Fuke N. *See* Matsuno A
Furuichi S. *See* Horie N

G

Gadelha M. *See* Aversa do Souto A
Giannini C. *See* McIver JI
Giannotta SL. Confirmation of research publications reported by neurological surgery residency applicants, 283-com
Gidado S. *See* Ardill WC
Gilsbach J. Current management of intraventricular hemorrhage, 21-com
Gilsbach JM. *See* Coenen VA
Gilsbach JM. Intradural spinal arachnoid cysts in adults, 56-com
Gobin YP. Retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 430-com
Gonçalves-Ferreira AJ, Herculano-Carvalho M, Pimentel J. Stereotactic biopsies of focal brainstem lesions, 311
Goodkin R. *See* Nemecek AN
Goodkin R. Injury, pseudoinjury, and litigation, 480-com
Goodman BP. *See* Flemming KD
Goodrich J. Removal of ethmoidal malignant tumors by the isolated paralateronasal approach with resection of the cribriform plate and the dura mater, 422-com
Góraj B. *See* Jaskólski DJ
Grady MS. Higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 191-com
Green BA. *See* Wang MY
Guinto G. Readers comment, 178-rc
Gwak H-S, Hwang S-K, Paek S-H, Kim DG, Jung H-W. Long-term outcome of trigeminal neurinomas with modified classification focusing on petrous erosion, 39

H

Hall W. Development of an intraceanial ependymoma at the site of a pre-existing cavernous malformation, 83-com
Hall W. Skull metastases: Clinical features, differential diagnosis, and review of the literature, 225-com
Hamel O. *See* Faure A
Hamidi S. *See* Saberi H
Handa H. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com
Hans F-J. *See* Coenen VA
Harris AE, Lee JYK, Omalu B, Flickinger JC, Kondziolka D, Lunsford LD. The effect of radiosurgery during management of aggressive meningiomas, 298
Harsh G. De novo germinoma in the brain in association with klinefelter syndrome: Case report and review of the literature, 558-com
Hasegawa T, Kondziolka D, Flickinger JC, Lunsford LD. Stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 506
Hashimoto H. *See* Kaido T
Hashimoto N. *See* Yoshioka H
Hassler W. *See* Schick U
Herculano-Carvalho M. *See* Gonçalves-Ferreira AJ
Hernesniemi J, Rinne J. Multiple aneurysms, 136
Hirakawa K. *See* Arai T
Hirato M. *See* Watanabe K

Hoff JT. Confirmation of research publications reported by neurological surgery residency applicants, 283-com
Hongo K. *See* Ito K
Horie N, Takahashi N, Furuichi S, Mori K, Onizuka M, Tsutsumi K, Shibata S. Ruptured aneurysm at the choroidal branch of the posterior inferior cerebellar artery: A case report and review of the literature, 540
Hotta T. *See* Yoshioka H
Howng SL. *See* Lin CL
Huang PP. Roller coaster headaches revisited, 398
Hung MH. *See* Lin CL
Hunt CD. Minimal debridement or simple wound closure as the only surgical treatment in war victims with low-velocity penetrating head injuries: Indications and management protocol based upon more than 8 years follow-up of 99 cases from Iran-Iraq conflict, 110-com
Husain M. *See* Elshihabi S; Vatsal DK
Hwang S-K. *See* Gwak H-S
Hwang SL. *See* Lin CL

I

Iannetti G. *See* Artico M
Iino N. *See* Ito S
Ikeya F. *See* Maruki C
Inci S, Akdemir P, Özgen T. Spinal dural arteriovenous fistula and venous aneurysm: An unusal association, 334
Ito K, Tanaka Y, Kakizawa Y, Hongo K, Kobayashi S. Aneurysm at the posterior inferior cerebellar artery of extradural orgin for preoperative evaluation of safe clipping: Case report and review of the literature, 329
Ito S, Nagayama K, Iino N, Saito I, Takami Y. Frontal sinus repair withh free autologous bone grafts and fibrin glue, 155
Izumoto S. *See* Kinoshita M

J

Jain VK. *See* Behari S
Jannetta P. Brain temperature and cerebral blood flow imaging in patients with severe subarachnoid hemorrhage: Report of two cases, 552-com
Jannetta P. Ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 233-com
Jaskólski DJ, Wróbel-Wiśniewska G, Papierz W, Góraj B, Zawirski M. Colloid-like cyst located in the prepontine region, 260
Jenks J. *See* Vitaz TW
Jha D. *See* Vatsal DK
Jödicke A, Daentzer D, Kästner S, Asamoto S, Böker D-K. Risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 124
Jorden M. De novo germinoma in the brain in association with klinefelter syndrome: Case report and review of the literature, 558-com
Joseph V, Chacko G, Raghuram L, Rajshekhar V. Benign metastasizing leiomyoma causing spinal cord compression, 575
Jung H-W. *See* Gwak H-S

K

Kabos P. *See* Ehtesham M
Kaido T, Sasaoka Y, Hashimoto H, Taira K. De novo germinoma in the brain in association with klinefelter syndrome: Case report and review of the literature, 553
Kailasnath P. Giant aneurysm of the azygos pericallosal artery: Case report and review of the literature, 533-com
Kailasnath P. Investigation of the surgically treated and untreated unruptured cerebral aneurysms of the anterior circulation, 522-com
Kakizawa Y. *See* Ito K
Kang S-D. Pterional craniotomy without keyhole to supratentorial cerebral aneurysms: Technical note, 457
Kanpolat Y. Mapping dermatomes during selective dorsal rhizotomy: Case report and review of the literature, 297-com
Kao M-C. Percutaneous trigeminal ganglion balloon compression for treatment of trigeminal neuralgia, part II: Results related to compression duration, 153-com
Karatas A. *See* Tuna H
Karlsson B. *See* Mathiesen T
Kashfi A. *See* Saberi H
Kästner S. *See* Jödicke A
Katayama H. *See* Matsuno A
Kawakubo J. *See* Ezaki Y
Kelly PJ. Stereotactic biopsies of focal brainstem lesions, 320-com
Khalfallah M. *See* Faure A
Kihlström L. *See* Mathiesen T
Kim DG. *See* Gwak H-S
Kinoshita M, Izumoto S, Oshino S, Nonaka M, Moriuchi S, Maruno M, Yoshimine T. Primary malignant lymphoma of the trigeminal region treated with rapid infusion of high-dose MTX and radiation: Case report and review of the literature, 343
Kinoshita Y. *See* Yoshioka H
Kitazawa K. *See* Kyoshima K
Kline DG. Confirmation of research publications reported by neurological surgery residency applicants, 284-com
Kliot M. *See* Nemecek AN
Kobayashi S. *See* Ito K
Koch CA. *See* Cohen-Gadol AA
Koenigsberg RA, McCormick D, Thomas C, Yee M, Williams N. Vertigo secondary to isolated PICA insufficiency: Successful treatment with balloon angioplasty, 306
Koga H. *See* Ezaki Y
Kohno M, Segawa H, Nakatomi H, Sano K, Akitaya T, Takahashi T. Microsuture-tying forceps with attached scissors for bypass surgery, 463
Kollias S. Intraoperative three-dimensional visualization of the pyramidal tract in a neuronavigation system (PTV) reliably predicts true position of principal motor pathways, 390-com
Kondziolka D. *See* Harris AE; Hasegawa T
Konovalav A. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com
Konovalov A. Long-term outcome of trigeminal neurinomas with modified classification focusing on petrous erosion, 48-com

Kränzlein H. *See* Coenen VA
Krings T. *See* Coenen VA
Krivoy S. *See* Nicholson J
Kubo Y. *See* Otawara Y
Kuo TH. *See* Lin CL
Kuratsu J-I. *See* Takeshima H
Kurisu K. *See* Yoshioka H
Kwok JCK. *See* Chan Y
Kyoshima K, Tsuji T, Toriyama T, Kitazawa K. En bloc removal of soft tumors within the brain parenchyma using spoon retractors: Traction-dissection method, 170

L

Lee H-C. *See* Cho D-Y
Lee JYK. *See* Harris AE
Lee Ks. *See* Lin CL
Lee S-T, Chen J-F. Percutaneous trigeminal ganglion balloon compression for treatment of trigeminal neuralgia, part II: Results related to compression duration, 149
Lee S-T, Chen J-F. Response, 470-rc
Levi ADO. *See* Wang MY
Lieu AS. *See* Lin CL
Limentani SA. *See* Fraser RW
Lin CL, Lieu AS, Lee KS, Yang YHC, Kuo TH, Hung MH, Loh JK, Yen CP, Chang CZ, Howng SL, Hwang SL. The conditional probabilities of survival in patients with anaplastic astrocytoma or glioblastoma multiforme, 402
Lindquist C. *See* Mathiesen T
Lindquist C. The effect of radiosurgery during management of aggressive meningiomas, 305-com
Link MJ. *See* McIver JI
Linskey M. *See* Elshihabi S
Lippman CR, Cahill DW. Surgery of the cervical spine, 90-br
Little J. *See* Nemecek AN
Loh JK. *See* Lin CL
Lunsford LD. *See* Harris AE; Hasegawa T
Lunsford LD. Potential complications following radiotherapy for meningiomas, 199-com
Lunsford LD. Radiation-induced gliomas: Report of 10 cases and review of the literature, 67-com
Lunsford LD. Recurrent primary fibrosarcoma of the brain treated with the gliasite brachytherapy system: Case report, 584-com

M

Macarthur D. *See* Buxton N
Machado A. Correlation of cephalic anthropometric parameters and microsurgical anatomy of the optic nerves: A cadaveric morphometric study, 442-com
Machado de Almeida G. Thoughts of a senior neurosurgeon: A message to younger colleagues, 379-com
Maeda M. *See* Mori K
Mansouri P. *See* Saberi H
Mao Y. *See* Zhou L-F
Maroon J. Surgical treatment of orbital cavernomas, 244-com
Marquardt G, Wolff R, Seifert V. Multiple target aspiration technique for subacute sterotactic aspiration of hematomas within the basal ganglia, 8
Marshall AM, (Mrs. A. Earl Walker). Reflections, 270
Martins RS, Siqueira MG, Santos MTS, Zanon-Collange N, Moraes OJS. Prognostic factors and treatment of penetrating gunshot wounds to the head, 98
Maruki C, Nakajima M, Tsunoda A, Ebato M, Ikeya F. A case of giant expanding cephalhematoma: Does the administration of blood coagulation factor XIII reverse symptoms?, 138
Maruno M. *See* Kinoshita M
Mateos JH, Sotelo J. Manuel Velasco-Suárez, M.D. (1914–2001), 272
Mathiesen T, Kihlström L, Karlsson B, Lindquist C. Potential complications following radiotherapy for meningiomas, 193
Matsumoto K, Akagi K, Abekura M, Nakajima Y, Yoshiminie T. Investigation of the surgically treated and untreated unruptured cerebral aneurysms of the anterior circulation, 516
Matsuno A, Katayama H, Wada H, Morikawa K, Tanaka K, Tanaka, H, Murakami M, Fuke N, Nagashima T. Significance of consecutive bilateral surgeries for patients with acute subdural hematoma who develop contralateral acute epi-or subdural hematoma, 23
Matz M. Injury, pseudoinjury, and litigation, 479-com
Mayfrank L. Current management of intraventricular hemorrhage, 21-com
McCormick D. *See* Koenigsberg RA
McIver JI, Link MJ, Giannini C, Cohen-Gadol AA, Driscoll C. Choroid plexus papilloma and meningioma: Coincidental posterior fossa tumors case report and review of the literature, 360
Mehdorn HM. *See* Stark AM
Meyer F. Diagnosis and surgical treatment of cavernous sinus hemangiomas: An experience of 20 cases, 36-com
Meyer FB. *See* Flemming KD
Michael D. Current management of intraventricular hemorrhage, 22-com
Milhorat TH. Clinical outcomes in patients with chiari I malformation: A review of 27 cases, 148-com
Minniti G. *See* Salvati M
Mishra A. *See* Behari S
Miyasaka Y. *See* Yamada M
Miyazaki H. *See* Ezaki Y
Moraes OJS. *See* Martins RS
Mori K. *See* Horie N
Mori K, Nakajima M, Maeda M. Simple reconstruction of frontal sinus opened during craniotomy using small autogenous bone piece: Technical note, 326
Morikawa K. *See* Matsuno A
Moriuchi S. *See* Kinoshita M
Morrow RA. *See* Chovanes GI
Mundt A. *See* Engelhard HH
Murakami M. *See* Matsuno A

N

Nagashima T. *See* Matsuno A
Nagayama K. *See* Ito S
Nakajima M. *See* Maruki C; Mori K
Nakajima Y. *See* Matsumoto K

Nakatomi H. *See* Kohno M
Narcisi P. *See* Canavero S
Nashold BS Jr. Mapping dermatomes during selective dorsal rhizotomy: Case report and review of the literature, 297-com
Neil-Dwyer G. Injury, pseudoinjury, and litigation, 482-com
Nemecek AN, Avellino AM, Goodkin R, Little J, Kliot M. Mapping dermatomes during selective dorsal rhizotomy: Case report and review of the literature, 292
Nicholson J, Takakura K, Albright AL, Friedman W, Krivoy S. Clinical controversy: How do you manage germ cell tumors of the CNS?, 5-ed
Nonaka M. *See* Kinoshita M

O

O'Connor M. Higher systemic arterial pressures are rarely associated with cerebral perfusion pressure deterioration in brain injury, 192-com
Ogasawara K. *See* Otawara Y
Ogawa A. *See* Otawara Y
Ohba S. *See* Yoshioka H
Ohno AK. *See* Arai T
Omalu B. *See* Harris AE
Onizuka M. *See* Ezaki Y; Horie N
Oshino S. *See* Kinoshita M
Otawara Y, Ogasawara K, Kubo Y, Tomitsuka N, Ogawa A, Suzuki M. Brain and systemic temperature in patients with severe subarachnoid hemorrhage, 159
Otawara Y, Ogasawara K, Yukawa H, Tomitsuka N, Kubo Y, Ogawa A, Suzuki M. Brain temperature and cerebral blood flow imaging in patients with severe subarachnoid hemorrhage: Report of two cases, 549
Özgen T. *See* Inci S
Ozveren MF. *See* Topsakal C

P

Paek S-H. *See* Gwak H-S
Pang D. A case of giant expanding cephalhematoma: Does the administration of blood coagulation factor XIII reverse symptoms?, 141-com
Paolini S, Ciappetta P, Piattella MC, Domenicucci M. Henoch-Schönlein syndrome and cerebellar hemorrhage: Report of an adolescent case and literature review, 339
Papierz W. *See* Jaskólski DJ
Pastore FS. *See* Artico M
Patterson R Jr. Confirmation of research publications reported by neurological surgery residency applicants, 283-com
Pawl R. Injury, pseudoinjury, and litigation, 481-com
Pendl G. Potential complications following radiotherapy for meningiomas, 200-com
Pertnoy HD. Extrusion of a VP shunt system through a gastrostomy wound, 70-com
Piattella MC. *See* Paolini S
Pikul B. Removal of ethmoidal malignant tumors by the isolated paralateronasal approach with resection of the cribriform plate and the dura mater, 422-com
Pimentel J. *See* Gonçalves-Ferreira AJ
Polli FM. *See* Salvati M
Poon CYF. *See* Chan Y
Punt J. *See* Buxton N

Q

Quinones-Hinojosa A, Sanai N, Fischbein NJ, Rosenberg WS. Extensive intradural arachnoid cyst of the lumbar spinal canal: Case report, 57

R

Raffel C. *See* Cohen-Gadol AA
Raghuram L. *See* Joseph V
Rahmat H. *See* Amirjamshidi A
Raja AR. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com
Rajshekhar V. *See* Joseph V
Ramamurthi B. Thoughts of a senior neurosurgeon: A message to younger colleagues, 374-ed
Ramundo EO. *See* Artico M
Raoul S. *See* Faure A
Rasque GH. *See* Vitaz TW
Rehman SU. *See* Chan Y
Rhodes M. *See* Chovanes GI
Richards RM. *See* Chovanes GI
Rinne J. *See* Hernesniemi J
Robert R. *See* Faure A
Robertson I. *See* Buxton N
Rohde V. *See* Coenen VA
Rohde V. Intradural spinal arachnoid cysts in adults, 56-com
Roitberg B. Research news and notes, 3, 95, 181, 277, 371, 475
Rosenberg WS. *See* Quinones-Hinojosa A
Rosenfeld J.OJS. Prognostic factors and treatment of penetrating gunshot wounds to the head, 104-com
Rosenwasser R. Retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 430-com
Russo N. *See* Salvati M
Rutka J. A review of soluble c-kit (s-kit) as a novel tumor marker and possible molecular target for the treatment of CNS germinoma, 324-com

S

Saberi H, Kashfi A, Amidi F, Tabatabai SA. Correlation of cephalic anthropometric parameters and microsurgical anatomy of the optic nerves: A cadaveric morphometric study, 438
Saberi H, Kashfi A, Hamidi S, Tabatabai SAF, Mansouri P. Cerebral phaeohyphomycosis masquerading as a parafalcian mass: Case report, 354
Saito I. *See* Ito S
Saito N. *See* Watanabe K
Salvati M, Frati A, Russo N, Caroli E, Polli FM, Minniti G, Delfini R. Radiation-induced gliomas: Report of 10 cases and review of the literature, 60
Samson D. Aneurysm at the posterior inferior cerebellar artery of extradural orgin for preoperative evaluation of safe clipping: Case report and review of the literature, 333-com
Samson D. Penetrating head wound: A remarkable case, 123-com

Sanai N. *See* Quinones-Hinojosa A
Sano K. *See* Kohno M
Sano K. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com
Santini P. *See* Di Rocco C
Santos MTS. *See* Martins RS
Sasaki T. *See* Watanabe K
Sasaoka Y. *See* Kaido T
Sawaya R. Skull metastases: Clinical features, differential diagnosis, and review of the literature, 225-com
Sawaya R. Stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 513-com
Schick U, Dott U, Hassler W. Surgical treatment of orbital cavernomas, 234
Schievink WI. *See* Ehtesham M
Schmidt MH. *See* von Koch CS
Scopelliti D. *See* Artico M
Segawa H. *See* Kohno M
Seifert V. *See* Marquardt G
Sekhar L. Frontal sinus repair with free autologous bone grafts and fibrin glue, 158-com
Sen C. Frontal sinus repair with free autologous bone grafts and fibrin glue, 158-com
Seyfried D. Safety of magnesium-lidocaine combination for severe head injury: The Turin Lidomag pilot study, 169-com
Shapiro W. Neonatal craniopharyngioma and inference of tumor inception time: Case report and review of the literature, 259-com
Shapiro W. The conditional probabilities of survival patients with anaplastic astrocytoma or glioblastoma multiforme, 406-com
Shapiro WR. Stereotactic radiosurgery for brain metastases from gastrointestinal tract cancer, 514-com
Sharma Sidhiraj. *See* Behari S
Sharma Sunil. *See* Behari S
Shibata M. Thoughts of a senior neurosurgeon: A message to younger colleagues, 379-com
Shibata S. *See* Horie N
Shibayama A. *See* Ezaki Y
Shields CB. *See* Vitaz TW
Shuey H Jr. Risk factors for outcome and complications of dorsal foraminotomy in cervical disc herniation, 130-com
Siqueira MG. *See* Martins RS
Slavin K. Multiple target aspiration technique for subacute sterotactic aspiration of hematomas within the basal ganglia, 13-com
Slavin KV. *See* Engelhard HH
Sloan A. Development of an intraceanial ependymoma at the site of a pre-existing cavernous malformation, 83-com
Solomon R. Brain and systemic temperature in patients with severe subarachnoid hemorrhage, 164-com
Sotelo J. *See* Mateos JH
Sotelo J. Cerebral phaeohyphomycosis masquerading as a parafalcian mass: Case report, 359-com
Spaziante R, Zona G, Testa V. Readers comment, 177-rc
Spetzler RF. Successful brainstem cavernous malformation resection after repeated hemorrhages during pregnancy, 548-com
Spinner RJ. *See* Cohen-Gadol AA
Stark AM, Eichmann T, Mehdorn HM. Skull metastases: Clinical features, differential diagnosis, and review of the literature, 219
Stelea A. *See* Engelhard HH
Stern WE. Confirmation of research publications reported by neurological surgery residency applicants, 283-com
Stern WE. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com
Stimac D. Frontal sinus repair withh free autologous bone grafts and fibrin glue, 158-com
Suzuki M. *See* Otawara Y

T

Tabatabai SA. *See* Saberi H
Taira K. *See* Kaido T
Takada Y. *See* Arai T
Takahashi A. *See* Watanabe K
Takahashi N. *See* Horie N
Takahashi T. *See* Kohno M
Takakura K. *See* Nicholson J
Takakura K. Potential complications following radiotherapy for meningiomas, 200-com
Takakura K. Primary malignant lymphoma of the trigeminal region treated with rapid infusion of high-dose MTX and radiation: Case report and review of the literature, 348-com
Takami Y. *See* Ito S
Takeshima H, Kuratsu J-I. A review of soluble c-kit (s-kit) as a novel tumor marker and possible molecular target for the treatment of CNS germinoma, 321
Tamburrini G. *See* Di Rocco C
Tanaka H. *See* Matsuno A
Tanaka K. *See* Matsuno A
Tanaka Y. *See* Ito K
Tang J, Zhao J, Zhao Y, Wang S, Chen B, Zeng W. Apolipoprotein E $_{1}$4 and the risk of unfavorable outcome after aneurysmal subarachnoid hemorrhage, 391
Taniguchi E. *See* Yoshioka H
ter Brugge K. Retrospective analysis of neurological outcome after intra-arterial thrombolysis in basilar artery occlusion, 430-com
Testa V. *See* Spaziante R
Thomas C. *See* Koenigsberg RA
Thron A. *See* Coenen VA
Toba T. *See* Ezaki Y
Toledo MM. *See* Dones J
Tomitsuka N. *See* Otawara Y
Topsakal C, Ozveren MF Erol FS, Cihangiroglu M, Cetin H. Giant aneurysm of the azygos pericallosal artery: Case report and review of the literature, 524
Toquet J. *See* Faure A
Toriyama T. *See* Kyoshima K
Tsuji T. *See* Kyoshima K
Tsunoda A. *See* Maruki C
Tsutsumi K. *See* Ezaki Y; Horie N
Tuna H, Karatas A, Yilmaz ER, Yagmurlu B, Erekul S. Aneurysmal bone cyst of the temporal bone: Case report, 571

U

Ugur HC. Mapping dermatomes during selective dorsal rhizotomy: Case report and review of the literature, 297-com

Ullman JS. Outcome following moderate traumatic brain injury, 291-com

Uyehara-lock JH. *See* von Koch CS

V

VanGilder JC. Research and publishing in neurosurgery, 90-br

van Loveren H. Primary malignant lymphoma of the trigeminal region treated with rapid infusion of high-dose MTX and radiation: Case report and review of the literature, 348-com

van Loveren H. Pterional craniotomy without keyhole to supratentorial cerebral aneurysms: Technical note, 462-com

van Loveren H. Removal of ethmoidal malignant tumors by the isolated paralateronasal approach with resection of the cribriform plate and the dura mater, 422-com

Vatsal DK, Husain M, Jha D, Chawla J. Square cervical laminoplasty incorporating spinous process: Surgical technique, 131

Velardi F. *See* Di Rocco C

Vitaz TW, Jenks J, Rasque GH, Shields CB. Outcome following moderate traumatic brain injury, 285

von Koch CS, Schmidt MH, Uyehara-Lock JH, Berger MS, Chang SM. The role of PCV chemotherapy in the treatment of central neurocytoma: Illustration of a case and review of the literature, 560

W

Wada H. *See* Matsuno A

Wagner F. Posterior cervical fusion failure in three morbidly obese patients following circumferential surgery, 210-com

Wang C-c. Colloid-like cyst located in the prepontine region, 263-com

Wang CC. Thoughts of a senior neurosurgeon: A message to younger colleagues, 380-com

Wang MY, Levi ADO, Green BA. Intradural spinal arachnoid cysts in adults, 49

Wang S. *See* Tang J

Watanabe K, Watanabe T, Takahashi A, Hirato M, Saito N, Sasaki T. Reliable and convenient method for the fixation of recording electrodes on nonshaved scalp for intraoperative electrophysiological monitoring: Technical note, 267

Watanabe T. *See* Watanabe K

Weidemann J. *See* Coenen VA

White J. Aneurysm at the posterior inferior cerebellar artery of extradural orgin for preoperative evaluation of safe clipping: Case report and review of the literature, 333-com

Wilkinson HA. Readers comment, 470-rc

Williams N. *See* Koenigsberg RA

Wolff R. *See* Marquardt G

Wróbel-Wiśniewska G. *See* Jaskólski DJ

Y

Yagi N. *See* Ezaki Y

Yagishita S. *See* Yamada M

Yagmurlu B. *See* Tuna H

Yamada M, Miyasaka Y, Yagishita S, Fujii K. Dissecting aneurysm of the intracranial vertebral artery associated with proximal focal degeneration of the elastica: A comparative pathological study of the vertebral artery in patients with and without aneurysms, 430

Yang YHC. *See* Lin CL

Yee M. *See* Koenigsberg RA

Yen CP. *See* Lin CL

Yilmaz ER. *See* Tuna H

Yonas H. Brain temperature and cerebral blood flow imaging in patients with severe subarachnoid hemorrhage: Report of two cases, 552-com

Yonas H. Ultra-early decompressive craniectomy for malignant middle cerebral artery infarction, 233-com

Yonekawa Y. Intraoperative three-dimensional visualizati390-comon of the pyramidal tract in a neuronavigation system (PTV) reliably predicts true position of principal motor pathways, 390-com

Yong WH. *See* Ehtesham M

Yoshimine T. *See* Kinoshita M

Yoshiminie T. *See* Matsumoto K

Yoshimoto T. Dissecting aneurysm of the intracranial vertebral artery associated with proximal focal degeneration of the elastica: A comparative pathological study of the vertebral artery in patients with and without aneurysms, 437-com

Yoshimoto T. Intraoperative three-dimensional visualization of the pyramidal tract in a neuronavigation system (PTV) reliably predicts true position of principal motor pathways, 389-com

Yoshimoto T. Investigation of the surgically treated and untreated unruptured cerebral aneurysms of the anterior circulation, 522-com

Yoshioka H, Hotta T, Taniguchi E, Hashimoto N, Kinoshita Y, Ohba S, Arita K, Kurisu K. De novo distal posterior cerebral artery aneurysm, 534

Young RF. Potential complications following radiotherapy for meningiomas, 199-com

Yu JS. *See* Ehtesham M

Yukawa H. *See* Otawara Y

Z

Zanon-Collange N. *See* Martins RS

Zawirski M. *See* Jaskólski DJ

Zeng W. *See* Tang J

Zhang R. Colloid-like cyst located in the prepontine region, 263-com

Zhao J. *See* Tang J

Zhao Y. *See* Tang J

Zhou L-F. Colloid-like cyst located in the prepontine region, 263-com

Zhou L-F, Mao Y, Chen L. Diagnosis and surgical treatment of cavernous sinus hemangiomas: An experience of 20 cases, 31

Zona G. *See* Spaziante R